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REPEATING STEPS (140), (150) AND (160) FOR EACH SET OF WEIGHTS PROVIDED IN STEP (130) TO DETERMINE A PLULARITY OF CORRELATION FACTORS R;

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RANKING SAID PLURALITY OF CORRELATION FACTORS R, WHEREIN A PARTICULAR CORRELATION FACTOR OF SAID PLURALITY OF CORRELATION FACTORS HAVING A PARTICULAR CORRELATION VALUE CLOSEST TO 1 REPRESENTS A BEST RANKING OF THE RESPECTIVE COMBINED METRICS IN STEP (140) FOR EACH SET OF WEIGHTS;

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PROVIDING IMAGE QUALITY INFORMATION TO AT LEAST ONE OF A SYSTEM OPTIMIZER AND THE VIDEO PROCESSING MODULE AS TO THE BEST RANKING OF THE RESPECTIVE COMBINED METRICS OBTAINED IN STEP (i) TO PROVIDE A BEST PERCEPTUAL IMAGE QUALITY

FIG. 1B

WHEN A PREDETERMINED NUMBER OF SETS OF METRICS = n, THE QUADRATIC MODEL TO OBTAIN THE OBJECTIVE EVALUATION F IS:

$$F = (\sum_{i=1}^{n} w_i x_i)^2$$
, WHEREIN "n" IS A NON-ZERO VALUE.

FIG. 1C

WHEN A NUMBER OF THE SET OF METRICS = 4, THEN THE QUADRATIC MODEL TO OBTAIN THE OBJECTIVE EVALUATION F IS:

$$F = W_{1}^{2}X_{1}^{2} + W_{2}^{2}X_{2}^{2} + W_{3}^{2}X_{3}^{3} + W_{4}^{4}X_{4}^{4} + W_{5}^{5}X_{1}^{5}X_{2}^{2} + W_{6}^{5}X_{1}^{5}X_{3}^{3} + W_{7}^{7}X_{1}^{7}X_{4}^{4} + W_{10}^{5}X_{3}^{5}X_{4}^{4}$$

FIG. 1D